LISTING OF CLAIMS

Claims 1-2 (canceled)

Claim 3 (currently amended): A stent according to claim **[[2]]** 95, wherein the second and third loop containing sections are adapted to compensate for foreshortening of the first loop containing section when the stent is expanded.

Claim 4 (previously presented): A stent according to claim 3, wherein the first loop containing section has three loops.

Claim 5 (original): A stent according to claim 4, wherein the second loop containing section has two loops.

Claim 6 (original): A stent according to claim 5, wherein the third loop containing section has two loops.

Claims 7-9 (canceled)

Claim 10 (currently amended) A stent according to claims ~~1 or 2~~ 95, wherein each cell in the stent encompasses the same area.

Claims 11-19 (canceled)

Claim 20 (currently amended) A stent according to claims ~~1 or 2~~ 95, wherein the stent is finished in one of the following ways: plating with a radiopaque material, plating with a protective material, embedding with medicine, or covering with a material.

Claims 21-94 (canceled)

Claim 95 (previously presented): A stent consisting of a plurality of essentially triangular cells, each triangular cell comprising:

a first loop containing section that includes a plurality of loops and legs, the first loop containing section arranged generally in the circumferential direction, the loops in said first loop containing section occurring at a first frequency;

a second loop containing section that includes a plurality of loops and legs, the second loop containing section arranged generally in the circumferential direction, the loops in said second loop containing section occurring at a second frequency; and

a third loop containing section that includes a plurality of loops and legs, the loops in said third loop containing section also occurring at said second frequency that is higher than said first frequency, said third loop containing section joined to said first and second loop containing sections;

wherein the loop containing sections include legs that are oriented along the longitudinal axis, and at least one of said legs in any one of the loop containing sections is shorter than at least one other leg in the same loop containing section within the triangular cell; and

wherein the first loop containing section has wider legs than the second and third loop containing sections and the first loop containing sections are 180 degrees out of phase with each other.

Claim 96 (previously presented): A stent according to claim 95, wherein the first loop containing section is relatively adapted to enable radial support and the second and third loop containing sections are relatively adapted to enable longitudinal flexibility.

Claim 97 (previously presented): A stent according to claim 95, wherein the first loop containing sections have wider legs than the second and third loop containing sections.

Claim 98 (previously presented): A stent according to claim 95, wherein the first loop containing section has two loops for every three loops combined of said second and third loop containing sections.

Claim 99 (previously presented): A stent according to claim 95, wherein the loops in the second and third loop containing sections provide improved flexibility.

Claim 100 (previously presented): A stent according to claim 99, wherein, while flexing, loops in the second and third loop containing sections have maximal strain of the expanded stent within a blood vessel that is lower than the elastic limit of the material of the stent.

Claim 101 (cancelled)

Claim 102 (previously presented): A stent according to any of claim 95, wherein the first loop containing section is joined to said second and third loop containing sections such as to form a plurality of cells, each of which include two loops of said first loop containing section and three loops of said second and third loop containing sections combined.

Claim 103 (cancelled)

Claim 104 (original): A stent according to claim 95, wherein substantially each cell in the stent encompasses the same area.

Claim 105 (original): A stent according to claim 95, wherein the cell is arranged so that when expanded a length of the cell along a circumference of the stent is longer than a length of a cell along the longitudinal axis of the stent.

Claims 106-117 (canceled)

Claim 118 (original): The stent of claim 95 wherein said stent is self-expanding.

Claim 119 (original): The stent of claim 95 wherein said stent is balloon expanded.

Claims 120-124 (canceled)

Claim 125 (previously presented): A stent according to claim 100, wherein the stent is exposed to repeated flexing of a vessel caused by the systolic cycle in a coronary artery.

Claims 126-129 (cancelled)